

Energy Subcommittee Minutes, Brown County
Thursday, November 18, 2021, 5:45 PM
Room 200 305 Walnut St, Green Bay

Present: Chair Supervisor Suennen, Vice-Chair Supervisor Friberg, Jenny Brinker, Nathan Carlson, Kyle Zimonick
Absent: Robert Kosky,

Other Attendees; Marty Piette , Director, Austin Straubel Airport
Neil Andersen, Director, NEW Zoo & Adventure Park

1. Call to Order, Meeting called to order @ 5:50pm by Chair Suennen
2. Approve/Modify Agenda
Motion to approve by Supervisor Friberg. Second by Member Brinker
Motion unanimously carried
3. Approve/Modify Minutes of October 28th, 2021 Meeting
Motion to approve by Member Zimonick. Second by Member Carlson.
Motion unanimously carried
4. Comments from the Public
None
5. Update from Airport Director
Director Piette took over in 2018: Strategic formalized plan on how to move forward as a business organization. Mission: We will go the extra mile for passengers and customers. Main strategic goal was to be efficient and sustainable leader for Brown County. Need a sustainability assessment and plan created for the airport. Will include sustainability assessment plan for 2023 budget.
Some buildings and facilities are built and owned by developers, not necessarily the County. County owns the land, but business owns the hangars.
Building list:
 - Terminal Building: 100,000 sqft (1st Floor only)
 - Terminal Maintenance Facility
 - Airfield Maintenance Facility (Snow Removal Equipment Building)
 - Customs Facility – Renovated in 2015
 - Superior Transport Logistics Building
 - Aircraft Rescue and Firefighting BuildingAccomplishments so far:
 - SRE Building – Completed in 2010, 64,000 sqft, \$8mil, LEED Silver Cert, No lighting (skylights), 35,000 gallon cistern collects water to wash equipment. Only heating in mechanic bay. Uses geothermal heating.
 - Aircraft Rescue Firefighting Building ~\$9.4mil, LEED Silver, Geothermal, HE Fixtures/heaters, skylight
 - Terminal Building: Built in 1960s, 2015 electricians working on updating lighting to LED (cost savings \$100k over 5 years), Solar Electric vehicle charging station(can charge 300 electric vehicles/year)

- Energy Audit in 2021 (Johnson Controls)

Significant capital investment is needed for

- Terminal Building Micro Grid
 - Two solar arrays ~\$2mil
 - Micro Grid ~\$3mil
 - Large Scale Microgrid ~\$5mil
- Air handling units are antiquated (1.3mil, 2024)
- Boiler and Chiller need updates (1.5mil, 2024)

In Progress/upcoming projects:

- Alliance for Water Stewardship
 - Working towards certification (certified by end of the year, would be first airport in the world)
- LED Lighting
 - Remaining lights being replaced
- New HVA system for Air Traffic control tower
- Replacing exterior terminal fixtures
- Lighting in parking lots replaced with LED
- Terminal expansion project (2024)
 - Expanded lobby & Concessions
- Smart windows
- Expand EV options
 - Charging stations
- Airfield lighting

Tracks energy and water use in-house.

Chair Suennen: Are any of the efficiency and energy improvements you have made, mandated by the FAA?

Director Piette: No mandates, we do it for fun.

Chair Suennen: Any recommendations that would be applicable for the county as a whole?

Director Piette: Must be made a priority and commit. Find the expertise to spearhead the initiative (Johnson Controls). Wants to be netzero/micro grid by 2040.

Member Brinker: Is LEED Cert worth the cost?

Director Piette: Hasn't been director for too long, so cannot comment on ROI for LEED Cert, but other efficiency improvements have had a positive financial impact.

6. Update from the NEW Zoo Director, Neil Anderson.

To be accredited by AZA, needs a sustainability plan.

Members given - NEW Zoo Sustainability Program Guiding Principles

AZA accreditation required ongoing field conservation efforts, natural resource conservation and sustainability/green practices and conservation practices.

NEW Zoo has Atmosphere Energy Plan in place.

Goal: Decrease greenhouse gas and air pollution emissions by increasing energy conservation and efficiency measures, initiating renewable energy use, and emphasizing sustainable transportation choices.

NEW Zoo has begun utilizing skylights in some facilities to reduce lighting costs. Occupancy sensors and smart thermostats installed in all facilities. Weather stripping, reflecting roofs, efficient HVAC systems, LEED design/elements considered for all new and existing facilities where fiscally and logistically possible.

Capital Improvements have been funded through fundraising.
\$30-40k spent on Energy Improvement Plan.

Member Carlson (or Zimonick?): Can you describe the sustainability commission that you have in place at the zoo?

Director Anderson: Heads from each department meet to discuss future projects and how they align with their guiding principles.

Chair Suennen: Do you have any heating control system for the Zoo?

Director Anderson: We do not. Everything is independent.

Member Brinker: Do you have a tracking system for energy bills?

Director Anderson: Keeps track of the bills as they come in, but no in depth analysis.

Sustainability plan works for the NEW Zoo because of the culture of the people working there.

Discussion:

Member Friberg: Can we utilize/retrofit the NEW Zoo guiding principles on energy and sustainability and apply it to the other departments to create a long term change in "culture"?

Member Zimonick: NEW Zoo is filled with leaders in sustainability so we should utilize their resources in the future.

7. Discussion about Energy Data and Usage No Discussion
8. Discussion about list of ideas for future projects from committee members No discussion
9. Such other matters as authorized by law. None
10. Discussion re: Future Agenda Items, Dates and Times
Next meeting set for Thursday, January 6th @ 5:30pm
11. Adjourn at 7:16 PM
Motion to adjourn made by Member Zimonick, seconded by Member Brinker
Motion unanimously carried